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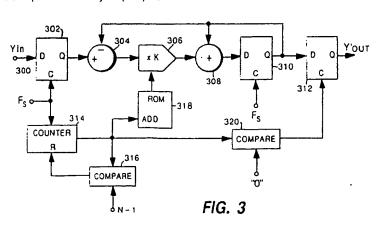
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- Adjustable antialias filters.
- (57) A programmable sampled data subsampling system includes a programmable antialias filter which bandlimits the information bandwidth of the signal to be subsampled in accordance with the subsampling rate. The antialias filter includes a recursive filter which scales and combines (304,306,308) input samples and delayed (310) com-

bined samples in proportions of K and (1-K) where K is a variable. The variables K are applied (314,316,318) to the recursive filter in repeating sequences of N values of K where N is the subsampling factor. Every N<sup>th</sup> combined sample is extracted (312,320) and provided as the subsampled signal.

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## EUROPEAN SEARCH **REPORT**

Application Number

EP 90 30 0818

DOCUMENTS CONSIDERED TO BE RELEVANT			Roleuset	CLASSIFICATION OF THE
tegory		it with indication, where appropriate.  relevant passages	to claim	APPLICATION (Int. CI.5)
Y	1986 IEEE INTERNATIONAL SYMPOSIUM ON CIRCUITS AND SYSTEMS, San Jose, California, 5th - 7th May 1986, vol. 1, pages 289-294; K.R. RAO: "Digital filtering in image coding"  * Page 289, left-hand column, line 14 - right-hand column, line 21; page 290, left-hand column, line 31 - right-hand column, line 16; page 291, left-hand column, line 9 - right-hand column, line 11; figures 2,8		1,3	Н 03 Н 17/0 <del>4</del>
Α	IDEM		2,4,7	
Y	CONFERENCE, vol. 28, 80-81,313, Coral Gables converters"; M.W. HAUS bination that does not re	ONAL SOLID-STATE CIRCUITS  13th February 1985, pages  5, Florida, US, session VII: "Data  SER et al.: "MOS ADC-filter com- equire precision analog components"  lumn, line 42 - page 81, left-hand	1,3	
Α	IDEM		4,5	TECHNICAL FIELDS
A	FR-A-2 532 504 (RCA * Abstract; page 3, lines 33; figures 1,3 *	CORP.)(31-08-1983) 10-30; page 7, line 20 - page 8, line	1,2,4,7,8	SEARCHED (Int. Cl.5) H 03 H H 04 N
	The present search report	has been drawn up for all claims		
Place of search		Date of completion of search	Examiner	
	The Hague 22 November 90		WRIGHT J.P.	

- particularly relevant if combined with another document of the same catagory
   a: technological background
   c: non-written disclosure
   intermediate document
   theory or principle underlying the invention

- L: document cited for other reasons
- &: member of the same patent family, corresponding